Sameer Korlahalli

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https://sameerko95.github.io

Education

New York University
M.S. in Computer Science
May 2019
GPA: 3.55/4

University of Mumbai, India
Bachelor of Engineering, Computers
June 2017
GPA: 3.50/4

Technical Skills

Languages:

Python, Java, JavaScript, jQuery, C#

Cloud/Data Processing:

AWS, pySpark, Databricks, Striim

Web Technologies and Databases:

Django, JSP, .NET, AngularJS, MySQL, MS SQL, PostgreSQL, Oracle DB, HTML5, CSS3

Certification/Activities

- Microsoft certified Technology Associate: Web Development Fundamentals (2015 - Present)
- 1st Runner up at ASCII, a state level project competition held in April 2017

Publication

Standalone Device for Home Automation and Personalized Recommendation
October 2017
DJ ASCII-17

Work Experience

Software Development Intern - NYU IT Services - New York
June 2018 - Present

- Learning Analytics (Python, AWS & pySpark)
  - Developing data integration services from Oracle DB and video streaming APIs using AWS Lambda, S3, RDS and pySpark for preprocessing
- API Request Approval System (Python, AngularJS & AWS)
  - Developed an API request approval system for APIs pertaining to all departments and schools under the university using AWS Lambda as backend, RDS as database and S3 as a secondary data store

Full Stack Developer Intern - Big Apple Buddy - New York
March 2018 - June 2018

- Developed a critical module for significantly decreasing the response time to product quotation request to increase conversion rate of leads
- Worked on the design, implementation, deployment as well as its seamless integration with the company's existing workflow
- Developed the module using Django, PostgreSQL, AWS along with Zendesk and FedEx APIs

Projects

Detection of Arrhythmia - Signal Processing and Deep Learning
April 2018 - May 2018

- Used signal processing concepts such as Onset Detection for pre-processing, Spectrograms for feature extraction and developed a CNN for detection of arrhythmia using Keras (Python) and HPC

Food Image Recognition System - AWS, TensorFlow (Python)
December 2017

- Developed an application to recognize food items from an uploaded image and list nearby restaurants offering identified food item
- Used TensorFlow to retrain the penultimate layer of Inception V3 model on a food categories dataset with an accuracy of 90.4%
- Deployed the application using AWS services such as API Gateway, Cognito, EC2, Lambda, RDS and S3

TweetMap - AWS Serverless Computing (Python)
November 2017

- Designed and implemented a dynamic web application to capture live tweets using the Twitter API and visualize them on a map
- Used SQS to queue live tweets and extracted the sentiment of each tweet using Watson NLU API and Elasticsearch as a storage solution
- Implemented the application using AWS Lambda and API gateway